

AMENDMENTS TO THE CLAIMS

Please replace the claims as filed with the claims set forth below. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A URL resolution system for resolving Universal Resource Locators (URLs), the URL resolution system comprising:

a website crawler, executed on a processing device, operative to: crawl a website comprising one or more webpages and locate and select script code that possesses one or more specific portions which are used by web browsers to dynamically create one or more script URLs, and crawl individual web pages associated with the website, the website crawler comprises:

a crawling controller operative to: receive results of script code examination from a script URL resolution component, control the website crawler based on the examination results, wherein the examination results include a script URL when a script code examination is successful, control the web crawler to crawl a web page identified by the script URL, control the website crawler to crawl multiple web pages in parallel and receive user input to define crawling parameters; and

a script URL resolution component, executed on a processing device, operative to load said one or more webpages, examine said one or more specific portions of the script code selected during the crawling which are used by web browsers to dynamically create one or more script URLs, execute said one or more selected portions of the script code to obtain said one or more script URLs, and resolve the script URLs based on the execution.

2. (Cancelled)

3. (Currently Amended) The URL resolution system as claimed in claim 1 ~~2~~ wherein the website crawler has a script code detector for determining if a web page uses script code to dynamically create one or more script URLs.

4. (Previously Presented) The URL resolution system as claimed in claim 3 wherein the script code detector has a notification generating function for generating a notification when the script code detector locates a web page that uses script code to dynamically create one or more script URLs.

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Currently Amended) The URL resolution system as claimed in claim ~~6~~1 wherein the crawling controller controls the website crawler to crawl the web page identified by the script URL immediately.

9. (Currently Amended) The URL resolution system as claimed in claim ~~6~~1 wherein the crawling controller controls the website crawler to queue the web page identified by the script URL for crawling at a later time.

10. (Cancelled)

11. (Previously Presented) The URL resolution system as claimed in claim 1 wherein the script URL resolution component comprises:

a web page loading controller operative to instruct a web page examiner to load the web page located by the website crawler; and

a script code execution controller operative to instruct the web page examiner to execute said specific portions of the script code used in the loaded web page to obtain said one or more script URLs.

12. (Previously Presented) The URL resolution system as claimed in claim 11 wherein the URL resolution system includes the web page examiner.

13. (Previously Presented) The URL resolution system as claimed in claim 11 wherein the script code execution controller uses an execution function of the web page examiner to execute the specific part of the script code.

14. (Currently Amended) The URL resolution system as claimed in claim [4]1 wherein the script code detector generates a notification when it locates a web page that uses one or more specific portions of script code to dynamically create one or more script URLs; and

~~the~~ web page loading controller controls loading of the located web page in response to the notification received from the website crawler.

15. (Previously presented) The URL resolution system as claimed in claim 1 wherein the script URL resolution component outputs an execution result including the script URL when the execution of the script code is successful; and

the website crawler performs crawling of a web page identified by the script URL.

16. (Original) The URL resolution system as claimed in claim 1 wherein the script URL resolution component outputs an examination result including a failure result when the examination of the script code fails.

17. (Previously Presented) The URL resolution system as claimed in claim 1 wherein the URL resolution system comprises a presentation unit to present the

examination result to a user.

18. (Original) The URL resolution system as claimed in claim 1 wherein the script URL resolution component is provided as a part of the URL resolution system.

19. (Previously Presented) The URL resolution system as claimed in claim 1 wherein the script URL resolution component is provided as a part of the website crawler.

20. (Previously Presented) The URL resolution system as claimed in claim 11 wherein the website crawler includes the web page examiner.

21. (Previously Presented) The URL resolution system as claimed in claim 1 wherein the website has one or more web pages, and the script URL resolution component is a script URL gatherer for locating each URL contained in any of the web pages associated with the website and causing examination of a web page identified by each URL during the crawling to resolve script code contained in the web page to obtain one or more script URLs created by the script code.

22. (Previously Presented) The URL resolution system as claimed in claim 21 comprising an advanced web page examiner having:

a web page loader for loading a web page identified by a URL received from the script URL gatherer; and

a script code examiner for examining the loaded web page to resolve any script URL that is created by script code in the loaded web page.

23. (Previously Presented) The URL resolution system as claimed in claim 21 wherein the script code examiner selects and executes specific portions of the script code found in the loaded web page used to dynamically create one or more script URLs, and

returns said one or more script URLs to the script URL gatherer.

24. (Previously Presented) The URL resolution system as claimed in claim 22 wherein the advanced web page examiner is provided as a part of the URL resolution system.

25. (Previously Presented) The URL resolution system as claimed in claim 22 wherein the website crawler comprises a script code detector for detecting a web page that uses script code to create at least one script URL; and

the script URL gatherer sends to the advanced web page examiner a URL of the web page detected by the script code detector.

26. (Currently amended) A method for resolving Universal Resource Locators (URLs), the method comprising steps of[.]:

electronically receiving user input defining crawling parameters;

electronically crawling a website comprising one or more webpages in response to the defined crawling parameters;

electronically locating and selecting script code that possess one or more specific portions which are used by web browsers to dynamically create one or more script URLs, and further selecting one or more specific portions of said script code which creates one or more script URLs by locating a web page of the website, which uses script code to dynamically create one or more script URLs;

electronically loading said one or more web pages,

electronically examining said one or more specific portions of the script code selected during the crawling which are used by web browsers to dynamically create one or more script URLs;

electronically executing the one or more selected portions of the script code by
instructing a web page examiner to execute the specific part of the script code to obtain
said one or more script URLs; and

electronically resolving the script URLs based on the execution[.];

electronically crawling of a web page identified by the script URL in parallel to
crawling of other web pages;

electronically obtaining examination results including said one or more script
URLs when the examination step is successful and a failure result when the examination
step fails to obtain said one or more script URLs; and

electronically presenting to a user the examination result including said one or
more script URLs and/or the failure result.

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Currently Amended) The method as claimed in claim ~~32~~26 wherein the
step of crawling of a web page comprises a step of crawling the web page identified by
the script URL immediately.

34. (Cancelled)

35. (Currently Amended) The method as claimed in claim ~~32~~26 wherein the
step of crawling of a web page comprises steps of

queuing the web page identified by the script URL; and

crawling the queued web page at a later time.

36. (Currently Amended) The method as claimed in claim 26 wherein the step of locating script code comprises steps of.

finding a URL in the web pages; and

examining a web page identified by the URL to locate script code in the web page identified by the URL.

37. (Previously Presented) The method as claimed in claim 36 comprising the additional step of selecting a web page that contains script code that is used to dynamically create one or more script URL, and wherein the examining step examines the selected web page.

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)

43. (Currently Amended) The URL resolution system as claimed in claim ~~34~~26 wherein script URL resolution component identifies said one or more script URLs by executing said portions of said script code used to dynamically create one or more script URLs.

44. (Cancelled)